



COMMONWEALTH of VIRGINIA

Department of Health
DIVISION OF SHELLFISH SANITATION
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ELIZABETH RIVER: LAFAYETTE RIVER
City of Norfolk
Shoreline Sanitary Survey
Growing Area #65

Date: April 4, 2005

Survey Period: November 18 - December 17, 2004

Total Number of Properties Surveyed: 25

Surveyed By: J. D. Dickerson

SECTION A: GENERAL

This survey area extends from Reference Point 66A at the end of pier 6 in Lamberts Point Railroad Terminal to Reference Point 67 at Tanner Point, including the Elizabeth River shoreline between these two points, Lafayette River (Wayne Creek, East Haven, Knitting Mill Creek, Edgewater Haven) and all of their tributaries.

Topography of the area is characterized by low and flat elevations ranging from 0-10'. The area has a large population density and a majority of the homes and businesses are served by the Hampton Roads Sanitation District public sewerage system. A small number of active on-site sewage disposal systems still remain active in the survey area and are located east of Tidewater Drive. Information concerning public sewer in the area was obtained with the assistance of the Norfolk Health Department, Environmental Health Division and Mr. Kevin Frederick, Norfolk Department of Public Utilities. The economy of the survey area is based on local military bases, commerce and Old Dominion University.

Meteorological data indicated that .86" of rain fell November 18-30 and 1.15" fell December 1-17 for a total rainfall of 2.01" for the survey period.

The Elizabeth River is dominated by recreational, commercial and military boat activity throughout the year. Boating activity within the Lafayette River is mostly recreational with the largest number of marine facilities located in Knitting Mill Creek.

The current restriction on shellfish harvesting is Condemned Shellfish Area #7, Hampton Roads, revised 1 May 1997. A copy of the current condemnation notice and map is attached to the back of this report.

This report lists only those properties that have a sanitary deficiency or have other environmental significance. "DIRECT" indicates that the significant activity or deficiency has a direct impact on shellfish waters. Individual field forms with full information on properties listed in this report are on file in the Richmond Office of the Division of Shellfish Sanitation and are available for reference until superseded by a subsequent survey of the area. Data in the report is also made available to local health departments and other agencies to address items that may be out of compliance with their regulatory programs.

SECTION B: SEWAGE POLLUTION SOURCES

SEWAGE TREATMENT FACILITIES

1. HRSD - Virginia Initiative Sewage Treatment Plant, 4201 Powhatan Avenue, Norfolk 23508. Owner: Hampton Roads Sanitation District, 1436 Air Rail Avenue, Virginia Beach 23455. Has VPDES permit #VA0081281 from the Department of Environmental Quality. Plant serves approximately 45,000 connections with a design flow of 50MGD. Treatment consists of screening/comminution, 4 activated sludge units (sludge is later dried and incinerated), 6 sedimentation tanks, injected chlorination and dechlorination with final effluent being discharged to the Elizabeth River. Outfall is located approximately $\frac{3}{4}$ of a mile offshore in 9' of water.

ON-SITE SEWAGE DEFICIENCIES

-None-

SECTION C: NON-SEWAGE WASTE SITES

INDUSTRIAL WASTES

-None-

SOLID WASTE DUMPSITES

-None-

SECTION D: BOATING ACTIVITY

MARINAS

6. Knitting Mill Creek Yacht Club (Colonel Bernard S. Rhees), 765 West 48th Street, Norfolk 23508. Private yacht club. No contact. 14 slips available. Present at time of survey were 7 boats under 26' and 4 boats over 26' in wet slips. The only boating service provided is electricity. Sanitary facilities provided are 1 unisex commode and 1 unisex lavatory. Sewage disposal is to HRSD. Portable toilet dump station facilities and boat holding tank pump-out facilities are available at this location.
7. American Legion Post 60 Marina, 4610 Colley Avenue, Norfolk 23518. Private marina. 1 person. 23 slips available. Present at time of survey were 8 boats under 26' and 3 boats over 26' in wet slips; and in dry storage there were 15 boats under 26' and 7 boats over 26'. Boating services provided include electricity and water. Sanitary facilities provided are 1 commode, 1 lavatory, 1 shower and 2 urinals for men; and for women there are 2 commodes and 2 lavatories. Sewage disposal is to HRSD. Portable toilet dump station facilities are available at this location. Boat holding tank pump-out facilities are available at the adjacent 44th Street Municipal Dock.

8. Tidewater Boat Club, 798 West 46th Street, Norfolk 23508. Private marina. No contact. 29 slips available. Present at time of survey were 12 boats under 26' and 11 boats over 26'. Boating services provided include electricity and water. Sanitary facilities provided are 1 commode, 1 lavatory and 1 shower for men; and for women there are 1 commode, 1 lavatory and 1 shower. Sewage disposal is to HRSD. There are no portable toilet dump station facilities provided at this location. Boat holding tank pump-out facilities are provided by Knitting Mill Creek Yacht Club.
9. Macks Pier, 794 West 45th Street, Norfolk 23508. Owner: Mack Crawford, 5223 Windermere Avenue, Norfolk 23513. Private marina. No contact. 5 slips available. Present at time of survey were 4 boats over 26'. Boating services provided include electricity and water. There are no sanitary facilities, no boat holding tank pump-out facilities and no portable toilet dump station facilities provided at this location.
10. Norfolk Municipal Pier, end of West 44th Street, Norfolk 23508. Owner: City of Norfolk, Neighborhood and Leisure Services, 501 Boush Street, Norfolk 23508. Public marina. No contact. 11 slips available. Present at time of survey was 1 boat under 26' and 1 boat over 26'. Boating services provided include electricity and water. Sanitary facilities provided are 1 commode and 1 lavatory for men; and for women there are 1 commode and 1 lavatory. Sewage disposal is to HRSD. Portable toilet dump station facilities and boat holding tank pump-out facilities are provided at this location and were operating properly at time of last inspection.
11. Charles Bashera, end of West 44th Street adjacent to municipal pier, Norfolk 23508. Private marina. No contact. 5 slips available. Present at time of survey were 4 boats over 26' and 2 boats under 26'. Boating services provided include electricity and water. This marina shares sanitary facilities with the municipal marina which serves as a portable toilet dump station. There is no boat holding tank pump-out facility available at this location.
12. Norfolk Yacht and Country Club, 7001 Hampton Boulevard, Norfolk 23505. Private yacht club. 2 employees. 144 wet slips and 68 dry storage spaces available. Present at time of inspection were 41 boats under 26' and 52 boats over 26' in wet slips; and in dry storage there were 37 boats under 26'. Boating services provided include ramp, fuel, electricity and water. Sanitary facilities provided are 8 commodes, 8 lavatories, 6 showers and 10 urinals for men; and for women there are 12 commodes, 7 lavatories and 3 showers. Sewage disposal is to HRSD treatment plant. Portable toilet dump station facilities and boat holding tank pump-out facilities are available at this location.

OTHER PLACES WHERE BOATS ARE MOORED

2. Old Dominion University Sailing Center, located behind Powhatan Village dormitory, Powhatan Drive, Norfolk 23529. Old Dominion University, PO Box 6173, Norfolk 23508. Dock and clubhouse for university sailing team. No Contact. 44 dry storage spaces available. Present at time of survey were 8 boats under 26' in dry storage. Boating services provided include ramp, electricity and water. Sanitary facilities provided are 1 commode, 1 lavatory and 1 shower. Sewage disposal is to HRSD treatment plant. No portable toilet dump stations are provided. This location has an exemption to the requirement of providing boat holding tank pump-out facilities.

3. Eyeglass Point Pier, (c/o Eyeglass Point Condo Association), 789 West 53rd Street, Norfolk 23508. Private dock for condominium residents. Facility consists of one small floating dock with a maximum of 2 moorings. No contact. No boats present at time of survey. There are no boating services provided at this location. This location has an exemption to the requirements of providing sanitary facilities, portable toilet dump station facilities and boat holding tank pump-out facilities.
4. Old Dominion University Rowing, located behind Crittendon Hall, 768 West 52nd Street, Norfolk 23508. Pier and dry storage for rowing club. No contact. 48 dry storage spaces available. No boats present at time of survey. There are no boating services provided at this location. Sanitary facilities provided are 1 commode and 1 lavatory for men; and for women there are 1 commode and 1 shower. Sewage disposal is to HRSD treatment plant. There is no portable toilet dump station facility at this location. This location is exempt from the requirement to provide boat holding tank pump-out facilities.
5. John P. Reddy, 757 West 52nd Street, Norfolk 23508. Private Pier. No contact. 5 slips available. No boats present at time of survey. Electricity is the only boating service provided at this location. There are no sanitary facilities, no boat holding tank pump-out facilities and no portable toilet dump station facilities provided at this location. Pier appeared to be in disrepair at time of survey.

SECTION E: CONTRIBUTES ANIMAL POLLUTION

-None-

SUMMARY

Area #65

Elizabeth River: Lafayette River

April 4, 2005

SECTION B: SEWAGE POLLUTION SOURCES

1. SEWAGE TREATMENT FACILITIES

1 - DIRECT - #1

0 - INDIRECT - None

1 - B.1. TOTAL

2. ON-SITE SEWAGE DEFICIENCIES

0 - CONTRIBUTES POLLUTION, DIRECT - None

0 - CONTRIBUTES POLLUTION, INDIRECT - None

0 - CP (Kitchen or Laundry Wastes), Direct - None

0 - CP (Kitchen or Laundry Wastes), Indirect - None

0 - NO FACILITIES, DIRECT - None

0 - NO FACILITIES, INDIRECT - None

0 - B.2. TOTAL

3. POTENTIAL POLLUTION

0 - POTENTIAL POLLUTION - None

SECTION C: NON-SEWAGE WASTE SITES

1. INDUSTRIAL WASTE SITES

0 - DIRECT - None

0 - INDIRECT - None

0 - C.1. TOTAL

2. SOLID WASTE DUMPSITES

0 - DIRECT - None

0 - INDIRECT - None

0 - C.2. TOTAL

SECTION D: BOATING ACTIVITY

7 - MARINAS - #6, 7, 8, 9, 10, 11, 12

4 - OTHER PLACES WHERE BOATS ARE MOORED - #2, 3, 4, 5

0 - UNDER SURVEILLANCE - None

11 - D. TOTAL

SECTION E: CONTRIBUTES ANIMAL POLLUTION

0 - DIRECT - None

0 - INDIRECT - None

0 - E. TOTAL

